

Facility DEC ID: 1472204426

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 1-4722-04426/00005
Effective Date: Expiration Date:

Permit Type: Air Title V Facility
Permit ID: 1-4722-04426/00007
Effective Date: Expiration Date:

Permit Issued To: CAITHNESS LONG ISLAND LLC
565 5TH AVE FL 29
NEW YORK, NY 10017

Contact: GARY KEEVILL
CAITHNESS LONG ISLAND LLC
565 5TH AVE FL 29
NEW YORK, NY 10017
(212) 921-9099

Facility: CAITHNESS LONG ISLAND ENERGY CENTER
50 ZORN BLVD
SOUTH YAPHANK, NY 11980

Contact: THOMAS A GRACE
CAITHNESS ENERGY
565 5TH AVE FL 29
NEW YORK, NY 10017
(917) 472-4593

Description:
This is a renewal of a Title IV and Title V permit. The facility also has a PSD permit issued from the United States Environmental Protection Agency (EPA). The Caithness Long Island Energy Center is a 346 megawatt (MW), dual fuel, combined-cycle electric generating station. The project is subject to prevention of significant deterioration (PSD) requirements for the following pollutants: oxides of nitrogen (NOx), carbon monoxide (CO), and particulate matter (PM & PM10). The facility is no longer subject to PSD requirements for sulfur dioxide (SO2) and sulfuric acid mist (H2SO4). This is reflected in the USEPA permit revision of 2020. This is because current New York State sulfur-in-fuel limitations keep the facility's emissions of these contaminants below PSD thresholds. The facility is also subject to nonattainment new source review for NOx and volatile organic compounds (VOCs).

Notable changes to the Title V permit include the following: sulfuric acid mist emission limits have been removed (PSD emission limits for SO2 were not in the previous Title V permit); references to the Clean Air Interstate Rule (CAIR) were removed and Cross-State Air Pollution Rule (CSAPR) citations were added; conditions for Part 242, CO2 Budget Trading Program and Part 251, CO2 Performance Standards for Major

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Electric Generating Facilities were added; reference to the previously disconnected fuel gas heater have been removed; based on the results of air quality modeling, operation of the auxiliary boiler while the combustion turbine operates is now authorized under additional scenarios; a NOx RACT emission limit was added for the auxiliary boiler; the duct burner time use limit has been converted to a maximum annual heat input limit; to be consistent with the PSD permit, stack tests for the combustion turbine/duct burner and auxiliary boiler are now required every five years instead of once during term of the permit and stack tests for the emergency fire pump are no longer required unless requested by the Department; startup conditions were simplified and limits are now dependent on the HP drum pressure only; the steady-state emission limit conditions for CO and NOx were updated to clarify that these limits do not apply during startup and shutdown; and fuel switching is now treated as oil firing with respect to emission limits of CO and NOx.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: SUSAN ACKERMAN
NYSDEC - REGION 1 SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

Authorized Signature: _____ Date: ___ / ___ / _____

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

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- 5 1 Facility Inspection by the Department
- 5 2 Relationship of this Permit to Other Department Orders and Determinations
- 5 3 Applications for permit renewals, modifications and transfers
- 6 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 6 5 Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS

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DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be

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submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal - REGION 1

HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CAITHNESS LONG ISLAND LLC
565 5TH AVE FL 29
NEW YORK, NY 10017

Facility: CAITHNESS LONG ISLAND ENERGY CENTER
50 ZORN BLVD
SOUTH YAPHANK, NY 11980

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date:

Permit Expiration Date:

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10	2	6 NYCRR 201-6.4 (a) (7): Fees
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10	4	6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
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15	9	6 NYCRR 215.2: Open Fires - Prohibitions
17	10	6 NYCRR 200.7: Maintenance of Equipment
17	11	6 NYCRR 201-1.7: Recycling and Salvage
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17	13	6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
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18	15	6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
18	16	6 NYCRR 201-6.4 (a) (8): Right to Inspect
19	17	6 NYCRR 202-1.1: Required Emissions Tests
19	18	40 CFR Part 68: Accidental release provisions.
19	19	40CFR 82, Subpart F: Recycling and Emissions Reduction
20	20	6 NYCRR Subpart 201-6: Emission Unit Definition
20	21	6 NYCRR Subpart 201-6: Compliance Certification
21	22	6 NYCRR Subpart 201-6: Compliance Certification
22	23	6 NYCRR Subpart 201-6: Compliance Certification
23	24	6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
24	25	6 NYCRR 201-6.4 (f): Operational Flexibility
24	26	6 NYCRR 211.2: Visible Emissions Limited
24	27	6 NYCRR 225-1.2 (d): Compliance Certification
25	28	6 NYCRR 227-1.3 (c): Compliance Certification
25	29	6 NYCRR 227-1.4 (a): Compliance Certification
26	30	6 NYCRR 227-1.4 (a): Compliance Certification
28	31	6 NYCRR Subpart 231-2: Compliance Certification
29	32	6 NYCRR Subpart 231-2: Compliance Certification
30	33	6 NYCRR 231-2.4: Emission Reduction Credit Offsets
30	34	40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
31	35	40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
31	36	40CFR 60.7(c), NSPS Subpart A: Compliance Certification
32	37	40CFR 60.8(d), NSPS Subpart A: Prior notice.
32	38	40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
32	39	40CFR 60.12, NSPS Subpart A: Circumvention.
33	40	40CFR 60.13, NSPS Subpart A: Monitoring requirements.
33	41	40CFR 60.14, NSPS Subpart A: Modifications.
33	42	40CFR 60.15, NSPS Subpart A: Reconstruction
33	43	40 CFR Part 72: Facility Subject to Title IV Acid

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Rain Regulations and Permitting

- 34 44 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 35 45 40CFR 97.606, Subpart CCCCC: Compliance Certification
- 36 46 40CFR 97, Subpart EEEEE: Compliance Certification

Emission Unit Level

- 37 47 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 38 48 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001

- 40 49 6 NYCRR Subpart 201-6: Compliance Certification
- 41 50 6 NYCRR Subpart 201-6: Compliance Certification
- 42 51 6 NYCRR Subpart 201-6: Compliance Certification
- 42 52 6 NYCRR Subpart 201-6: Compliance Certification
- 43 53 40 CFR Part 64: Compliance Certification
- 44 54 40 CFR Part 64: Compliance Certification

EU=U-00001,Proc=P01

- 45 55 6 NYCRR Subpart 201-6: Compliance Certification
- 45 56 6 NYCRR Subpart 201-6: Compliance Certification
- 46 57 6 NYCRR Subpart 201-6: Compliance Certification
- 47 58 6 NYCRR Subpart 201-6: Compliance Certification
- 48 59 6 NYCRR Subpart 231-2: Compliance Certification
- 48 60 6 NYCRR Subpart 231-2: Compliance Certification
- 49 61 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00001,Proc=P02

- 50 62 6 NYCRR Subpart 201-6: Compliance Certification
- 50 63 6 NYCRR Subpart 201-6: Compliance Certification
- 51 64 6 NYCRR Subpart 201-6: Compliance Certification
- 52 65 6 NYCRR Subpart 201-6: Compliance Certification
- 53 66 6 NYCRR Subpart 231-2: Compliance Certification
- 53 67 6 NYCRR Subpart 231-2: Compliance Certification
- 54 68 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00001,Proc=P03

- 55 69 6 NYCRR Subpart 201-6: Compliance Certification
- 55 70 6 NYCRR Subpart 201-6: Compliance Certification
- 56 71 6 NYCRR Subpart 201-6: Compliance Certification
- 57 72 6 NYCRR Subpart 201-6: Compliance Certification
- 58 73 6 NYCRR Subpart 201-6: Compliance Certification
- 59 74 6 NYCRR Subpart 201-6: Compliance Certification
- 59 75 6 NYCRR Subpart 201-6: Compliance Certification
- 60 76 6 NYCRR Subpart 231-2: Compliance Certification
- 61 77 6 NYCRR Subpart 231-2: Compliance Certification
- 61 78 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00001,Proc=P04

- 62 79 6 NYCRR Subpart 201-6: Compliance Certification
- 63 80 6 NYCRR Subpart 201-6: Compliance Certification
- 63 81 6 NYCRR Subpart 201-6: Compliance Certification
- 64 82 6 NYCRR Subpart 201-6: Compliance Certification
- 65 83 6 NYCRR Subpart 231-2: Compliance Certification

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- 66 84 6 NYCRR Subpart 231-2: Compliance Certification
- 66 85 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00001,Proc=P09

- 67 86 6 NYCRR Subpart 201-6: Compliance Certification
- 68 87 6 NYCRR Subpart 201-6: Compliance Certification
- 68 88 6 NYCRR Subpart 201-6: Compliance Certification
- 69 89 6 NYCRR Subpart 201-6: Compliance Certification
- 70 90 6 NYCRR Subpart 201-6: Compliance Certification
- 71 91 6 NYCRR Subpart 201-6: Compliance Certification
- 71 92 6 NYCRR Subpart 201-6: Compliance Certification
- 72 93 6 NYCRR Subpart 201-6: Compliance Certification
- 73 94 6 NYCRR Subpart 201-6: Compliance Certification
- 73 95 6 NYCRR Subpart 201-6: Compliance Certification
- 74 96 6 NYCRR Subpart 201-6: Compliance Certification
- 75 97 6 NYCRR Subpart 201-6: Compliance Certification
- 75 98 6 NYCRR Subpart 201-6: Compliance Certification
- 76 99 6 NYCRR Subpart 201-6: Compliance Certification
- 77 100 6 NYCRR Subpart 201-6: Compliance Certification
- 77 101 6 NYCRR Subpart 201-6: Compliance Certification
- 78 102 6 NYCRR Subpart 201-6: Compliance Certification
- 79 103 6 NYCRR Subpart 201-6: Compliance Certification
- 79 104 6 NYCRR Subpart 201-6: Compliance Certification
- 80 105 6 NYCRR Subpart 201-6: Compliance Certification
- 81 106 6 NYCRR Subpart 201-6: Compliance Certification
- 82 107 6 NYCRR Subpart 201-6: Compliance Certification
- 82 108 6 NYCRR Subpart 201-6: Compliance Certification

EU=U-00001,EP=EP001

- 83 109 40 CFR Part 64: Compliance Certification

EU=U-00002

- 84 110 6 NYCRR Subpart 201-6: Compliance Certification
- 84 111 6 NYCRR 227-2.5 (a): Compliance Certification
- 86 112 40CFR 63.11195, NESHAP Subpart JJJJJ: Compliance Certification

EU=U-00002,Proc=P05

- 87 113 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00002,Proc=P06

- 87 114 6 NYCRR Subpart 201-6: Compliance Certification
- 88 115 6 NYCRR Subpart 201-6: Compliance Certification
- 89 116 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00002,EP=EP002,Proc=P05

- 89 117 6 NYCRR Subpart 201-6: Compliance Certification
- 90 118 6 NYCRR Subpart 201-6: Compliance Certification

EU=U-00002,EP=EP002,Proc=P06

- 91 119 6 NYCRR Subpart 201-6: Compliance Certification
- 91 120 6 NYCRR Subpart 201-6: Compliance Certification

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EU=U-00003

- 92 121 40CFR 60.4205(c), NSPS Subpart IIII: Compliance Certification
- 93 122 40CFR 60.4211(b), NSPS Subpart IIII: Compliance Certification

EU=U-00003,EP=EP004

- 94 123 6 NYCRR Subpart 201-6: Compliance Certification
- 94 124 6 NYCRR Subpart 201-6: Compliance Certification
- 95 125 6 NYCRR Subpart 201-6: Compliance Certification
- 96 126 6 NYCRR Subpart 201-6: Compliance Certification
- 96 127 6 NYCRR Subpart 201-6: Compliance Certification
- 97 128 6 NYCRR Subpart 231-2: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 100 129 ECL 19-0301: Contaminant List
- 101 130 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 101 131 6 NYCRR 201-6.5 (a): CLCPA Applicability
- 102 132 6 NYCRR 211.1: Air pollution prohibited
- 102 133 6 NYCRR 242-1.5: CO2 Budget Trading Program -
Excess emission requirements
- 102 134 6 NYCRR 242-1.5: Compliance Demonstration
- 104 135 6 NYCRR 242-1.5: Compliance Demonstration
- 105 136 6 NYCRR 251.6 (f): Compliance Demonstration

Emission Unit Level

EU=U-00001

- 106 137 6 NYCRR Subpart 242-4: Compliance Demonstration
- 108 138 6 NYCRR 242-8.5: Compliance Demonstration
- 109 139 6 NYCRR 251.3 (b): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/DRAFT

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V

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facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit

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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 200.6****Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all

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reports required by the permit.

**Condition 5: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements,

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the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual

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report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;

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and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Air Compliance Branch
USEPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC- Region 1 Headquarters
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

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625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2022.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective for entire length of Permit

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Applicable Federal Requirement: 6 NYCRR 215.2**Item 9.1:**

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS

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SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Condition 13: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary

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for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring

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compliance with the permit or applicable requirements.

**Condition 17: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 17.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 18: Accidental release provisions.
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 68

Item 18.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

**Condition 19: Recycling and Emissions Reduction
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 19.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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The following conditions are subject to annual compliance certification requirements for Title V permits only.

**Condition 20: Emission Unit Definition
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of one Siemens-Westinghouse 501F combustion turbine and a duct fired HRSG. The combustion turbine will fire primarily natural gas with distillate oil back-up. The duct burner is limited to firing only natural gas. The turbine uses dry low NOx technology in combination with a SCR to control emissions of NOx. The turbine also employs an oxidation catalyst to control emissions of carbon monoxide, VOCs, and HAPs.

Building(s): GEN01

Item 20.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of an auxiliary boiler which fires natural gas as its primary fuel with distillate oil back-up. The boiler uses a low NOx burner in combination with flue gas recirculation to control emissions of NOx.

Building(s): GEN01

Item 20.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00003

Emission Unit Description:

This emission unit consists of a diesel fire pump.

**Condition 21: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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CAS No: 000630-08-0 CARBON MONOXIDE

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility is limited to 270.9 tons per year of carbon monoxide (CO) emissions. The facility will demonstrate compliance by tracking combustion equipment CEM data or fuel use and applying the permitted CO emission limits (on a lb/mmBtu basis) as follows:

$$\text{CO Tons} = [\text{CEMCC} + \text{HIAB-NG} \times 0.036 + \text{HIAB-FO} \times 0.039 + \text{HIFP} \times 0.09] / 2000$$

where:

CEMCC = combined cycle CEM lb CO

HIAB-NG = auxiliary boiler natural gas heat input - MMBTU
HHV

HIAB-FO = auxiliary boiler fuel oil heat input - MMBTU
HHV

HIFP = diesel fire pump heat input - MMBTU HHV

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer & Fuel Flow Meter

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 270.9 tons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 22: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: P01

Emission Unit: U-00001

Process: P02

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Emission Unit: U-00001
 Process: P09

Emission Unit: U-00002
 Process: P05

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator shall not fire natural gas with a sulfur content greater than 0.35 grains per 100 standard cubic feet. Records of sulfur content shall be maintained at the facility for a minimum of 5 years.

The owner or operator may elect to monitor the total sulfur content of the gaseous fuel combusted or use one of the following sources of information to make the required demonstration:

- (i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 0.35 grains/100 scf or less; or
- (ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 0.35 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR part 75 is required.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: NATURAL GAS
 Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: 0.35 grains per 100 scf
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 23: Compliance Certification
Effective for entire length of Permit

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Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The annual CEMS Availability percentage shall be at or above 95%.

The CEMS Availability Percentage is calculated as the ratio of the total unit operating hours for which the CEMS provided quality assured data, to the source total unit operating hours during a specified period. Periods of calibration, maintenance, repair, or audit, up to a maximum of 40 hours per month, are excluded.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: HOURS PER YEAR OPERATION

Lower Permit Limit: 95 percent

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 24: Progress Reports Due Semiannually
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 24.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 25: Operational Flexibility

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Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (f)

Item 25.1:

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

**Condition 26: Visible Emissions Limited
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 211.2

Item 26.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 27: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 225-1.2 (d)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

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Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
 Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: 0.0015 percent by weight
 Monitoring Frequency: PER DELIVERY
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
 TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.3 (c)

Item 28.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

The owner or operator of a stationary combustion installation must perform an annual tune-up on each emission source subject to 6 NYCRR Subpart 227-1. Records of the tune-up shall be maintained at the facility or at a Department approved alternative location for a minimum of five years. The records shall, at a minimum, include the date the tune-up(s) occurred and the details of the tune-up procedures for each emission source.

Monitoring Frequency: ANNUALLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 29.1:

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: EP001
Emission Unit: U-00002	Emission Point: EP002
Emission Unit: U-00003	Emission Point: EP004

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60, Appendix A, Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: P03
Emission Unit: U-00002
Process: P06
Emission Unit: U-00003
Process: P08

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Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil firing emission sources subject to 6 NYCRR Subpart 227-1 which do not employ a continuous opacity monitor for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each emission source which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - date and time of day
 - observer's name
 - identity of the emission point
 - weather conditions
 - was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) for two consecutive days while firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam

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plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 31: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility is limited to 90.3 tons per year of oxides of nitrogen emissions. Based on this limit the facility obtained emissions reduction credits at a ratio of 1.3 to 1 to offset these emissions. The facility will demonstrate compliance by tracking combustion equipment CEM data or fuel use and applying the permitted NOx emission limits (on a lb/mmBtu basis) as follows:

$$\text{NOx Tons} = [\text{CEMCC} + \text{HIAB-NG} \times 0.011 + \text{HIAB-FO} \times 0.10 + \text{HIFP} \times 1.97] / 2000$$

where:

CEMCC = combined cycle CEM lb NOx

HIAB-NG = auxiliary boiler natural gas heat input - MMBTU HHV

HIAB-FO = auxiliary boiler fuel oil heat input - MMBTU HHV

HIFP = diesel fire pump heat input - MMBTU HHV

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer & Fuel Flow Meter

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 90.3 tons per year

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Reference Test Method: 40 CFR Parts 60 & 75
 Monitoring Frequency: DAILY
 Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 32: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
 DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility is limited to 62.9 tons per year of volatile organic compounds emissions. Based on this limit the facility obtained emissions reduction credits at a ratio of 1.3 to 1 to offset these emissions. The facility will demonstrate compliance by tracking combustion equipment fuel use and applying the permitted VOC emission limits (on a lb/mmBtu basis) as follows:

$$\text{VOC Tons} = [\text{HICC-NG} \times 0.0016 + \text{HICC-NGwDB} \times 0.0023 + \text{HICC-FO} \times 0.0060 + \text{HICC-FowDB} \times 0.0110 + \text{HIAB-NG} \times 0.006 + \text{HIAB-FO} \times 0.03 + \text{HIFP} \times 0.084] / 2000$$

where:

HICC-NG = combined cycle heat input on natural gas - MMBTU HHV

HICC-NGwDB = combined cycle heat input on natural gas - MMBTU HHV

HICC-FO = combined cycle heat input on fuel oil - MMBTU HHV

HICC-FowDB = combined cycle heat input on fuel oil with duct burner - MMBTU HHV

HIAB-NG = auxiliary boiler natural gas heat input - MMBTU HHV

HIAB-FO = auxiliary boiler fuel oil heat input - MMBTU HHV

HIFP = diesel fire pump heat input - MMBTU HHV

The data collected shall be maintained on site for a

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minimum of five years.

Manufacturer Name/Model Number: Fuel Flow Meter
 Parameter Monitored: VOC
 Upper Permit Limit: 62.9 tons per year
 Reference Test Method: 40 CFR 60 & 75
 Monitoring Frequency: DAILY
 Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 33: Emission Reduction Credit Offsets
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 33.1:

To satisfy the emission offset requirements of Part 231, the facility has obtained 118 (118/1.3=90.77) NOx Emission Reduction Credits (ERCs) from the following sources:

Facility Name	ERCs (tpy)	DEC ID	
JP Morgan Venture Energy Corp.	NA		118

Item 33.2:

To satisfy the emission offset requirements of Part 231, the facility has obtained 82.55 (82.55/1.3=63.5) VOC Emission Reduction Credits (ERCs) from the following sources:

Facility Name	ERCs (tpy)	DEC ID	
FPL Energy	NA		40
Northrop Grumman	1-2824-00112		42.55

**Condition 34: EPA Region 2 address.
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 34.1:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
 USEPA Region 2
 290 Broadway, 21st Floor
 New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

**Condition 35: Recordkeeping requirements.
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.7(b), NSPS Subpart A

Item 35.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 36: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which

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the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 37: Prior notice.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.8(d), NSPS Subpart A

Item 37.1:
 The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 38: Opacity standard compliance testing.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 38.1:
 The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 39: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 39.1:
 No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

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**Condition 40: Monitoring requirements.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 40.1:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

**Condition 41: Modifications.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 41.1:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

**Condition 42: Reconstruction
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 42.1:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 43: Facility Subject to Title IV Acid Rain Regulations and Permitting
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 72

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Item 43.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

Condition 44: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 97.406, Subpart AAAAA

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

- (2) The facility, and the designated representative, of each TR NOx Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

- (3) The emissions data determined shall be used to calculate allocations of TR NOx Annual allowances and to

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determine compliance with the TR NOx Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Annual facility and each TR NOx Annual Unit at the facility shall hold, in the facilities compliance account, TR NOx Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 45: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 97.606, Subpart CCCCC

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO2 Group 1 source (facility) and each TR SO2 Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission

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monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR SO₂ Group 1 allowances and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 97, Subpart EEEEE

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.813 through 97.818 of Subpart EEEEE. The facility shall notify the Department of this representative (and alternate) with contact information upon issuance of this permit and when any changes are made to the representative (or alternate) or their contact information.

(2) The facility, and the designated representative, of each CSAPR NO_x Ozone Season source (facility) and each CSAPR NO_x Ozone Season Unit at the facility must comply

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with the monitoring, reporting, and recordkeeping requirements of §§97.830 through 97.835 of Subpart EEEEE and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are to be submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are to be submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of CSAPR NOx Ozone Season allowances and to determine compliance with the CSAPR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NOx Ozone Season facility and each CSAPR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, CSAPR NOx Ozone Season allowances available for deduction for such control period under §97.824(a) in an amount not less than the tons of total NOx emissions for such control period from all CSAPR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

****** Emission Unit Level ******

**Condition 47: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 47.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 170

Diameter (in.): 240

NYTMN (km.): 4520.168

NYTME (km.): 673.732

Building: GEN01

Item 47.2:

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The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 170

Diameter (in.): 24

NYTMN (km.): 4520.169 NYTME (km.): 673.724 Building: GEN01

Item 47.3:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00003

Emission Point: EP004

Height (ft.): 7 Diameter (in.): 6

NYTMN (km.): 4520.09 NYTME (km.): 673.68

**Condition 48: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 48.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001

Process: P01

Source Classification Code: 2-01-002-01

Process Description: Combustion turbine firing natural gas.

Emission Source/Control: CT001 - Combustion

Design Capacity: 2,221 million Btu per hour

Emission Source/Control: OXY01 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 48.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001

Process: P02

Source Classification Code: 2-01-001-01

Process Description:

Combustion turbine firing natural gas in combination with
the duct burner firing natural gas.

Emission Source/Control: CT001 - Combustion

Design Capacity: 2,221 million Btu per hour

Emission Source/Control: DB001 - Combustion

Design Capacity: 494 million Btu per hour

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Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 48.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: P03 Source Classification Code: 2-01-001-01
Process Description:
Combustion turbine firing distillate oil. When the combustion turbine fires distillate oil the maximum design heat input rate is 2,125 mmBtu/hr (HHV).

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,221 million Btu per hour

Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 48.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: P04 Source Classification Code: 2-01-001-01
Process Description:
Combustion turbine firing distillate oil in combination with the duct burner firing natural gas. . During this operating scenario, the duct burner is limited to operating at no more than 369 mmBtu/hr heat input.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,221 million Btu per hour

Emission Source/Control: DB001 - Combustion
Design Capacity: 494 million Btu per hour

Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 48.5:

This permit authorizes the following regulated processes for the cited Emission Unit:

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Emission Unit: U-00001
Process: P09 Source Classification Code: 2-01-002-01
Process Description:
Startup, shutdown and fuel switching of the combustion turbine for operations using either natural gas or distillate oil.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,221 million Btu per hour

Item 48.6:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002
Process: P05 Source Classification Code: 1-02-006-02
Process Description: Auxiliary boiler firing natural gas.

Emission Source/Control: AUX01 - Combustion
Design Capacity: 29.4 million Btu per hour

Item 48.7:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002
Process: P06 Source Classification Code: 1-02-005-02
Process Description:
Auxiliary boiler firing distillate oil. When the auxiliary boiler fires distillate oil the maximum design heat input rate is 28.0 mmBtu/hr (HHV).

Emission Source/Control: AUX01 - Combustion
Design Capacity: 29.4 million Btu per hour

Item 48.8:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00003
Process: P08 Source Classification Code: 2-02-001-02
Process Description: Diesel fire pump operation.

Emission Source/Control: DFP01 - Combustion
Design Capacity: 300 horsepower (mechanical)

**Condition 49: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia slip. This condition applies to all combustion turbine/duct burner operating scenarios. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: Ammonia Analyzer

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The duct burner (DB001) shall operate with a maximum annual heat input limit of 2,071,740 MMBtu during any 12 month consecutive period. The owner or operator shall maintain duct burner heat input records on-site for a minimum of five years.

Parameter Monitored: HEAT INPUT

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Upper Permit Limit: 2071740 million British thermal units

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 51: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The combustion turbine shall fire a maximum of 10,928,571 gallons of distillate oil during any 12 month consecutive period. The owner or operator shall maintain combustion turbine fuel oil use records on-site for a maximum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 10,928,571 gallons per year

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 52: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combustion turbine shall not operate below 75% load except during periods of start-up, shutdown, or malfunction.

Combustion turbine transient load drops below the 75% load set point would not constitute a permit violation; provided that the NOx and CO emissions are maintained, during these load drop events, at the operating load permitted emission limitations' level. Compliance shall be demonstrated by using CEMS. (Stephen Riva letter to Thomas Grace dated August 18, 2010.)

The owner or operator shall maintain percent load operations records on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 53: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 64

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As part of the facility's Compliance Assurance Monitoring (CAM) Plan for the Catalytic Oxidizer, the facility will have the condition of the catalyst assessed annually.

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The analysis will consist of evaluations of a sample of the catalyst. Conversion Efficiency (by FID or equivalent), Surface Area, and Contamination (Inductively Coupled Plasma (ICP)) results will be compared against the manufacturer's existing knowledge base.

An excursion is defined as any instance where the analysis results in a recommendation that corrective action be taken.

A written or electronic record of every analysis and corrective action taken will be maintained at the facility for at least five years.

Manufacturer Name/Model Number: Catalytic Oxidizer
 Monitoring Frequency: ANNUALLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 54: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 64

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0	VOC
CAS No: 000630-08-0	CARBON MONOXIDE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As part of the facility's Compliance Assurance Monitoring (CAM) Plan for the catalytic oxidizer, the facility will perform annual external inspections of the catalytic oxidizer catalyst and annual inspections of the catalyst's upstream face for wear and structural integrity. Maintenance shall be performed as needed.

An excursion is defined as any instance where the observation indicates that the oxidizer is structurally unsound.

A written or electronic log of every inspection will be

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maintained at the facility for at least five years.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P01

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas without the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10
Upper Permit Limit: 0.0055 pounds per million Btus
Reference Test Method: Method 201A and 202
Monitoring Frequency: Once every five years
Averaging Method: 3-hour average
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Process: P01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with no duct burner firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.0047 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 57: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon

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monoxide. This condition applies while the combustion turbine is firing natural gas with no duct burner firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 2.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: 40 CFR Part 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 58: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P01

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas without the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10
 Upper Permit Limit: 11.7 pounds per hour
 Reference Test Method: Method 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: 3-hour average

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Facility DEC ID: 1472204426

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P01

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing natural gas without duct firing. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 3.5 pounds per hour

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P01

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 60.2:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 61: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer

Parameter Monitored: OXIDES OF NITROGEN

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Upper Permit Limit: 0.0076 pounds per million Btus
 Reference Test Method: 40 CFR Part 75
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-HOUR ROLLING AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 62: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P02

Regulated Contaminant(s):
 CAS No: 000630-08-0 CARBON MONOXIDE

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with the duct burner firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 2.0 parts per million by volume
 (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 63: Compliance Certification
Effective for entire length of Permit

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with the duct burner firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.0046 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 64.2:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas with the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Upper Permit Limit: 0.0066 pounds per million Btus

Reference Test Method: Method 201A and 202

Monitoring Frequency: Once every five years

Averaging Method: 3-hour average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas with the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Upper Permit Limit: 17.0 pounds per hour

Reference Test Method: Method 201A and 202

Monitoring Frequency: Once every five years

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Averaging Method: 3-hour average
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing natural gas with the duct burner firing.

The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: VOC
Upper Permit Limit: 6.1 pounds per hour
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P02

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.0076 pounds per million Btus

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 68: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Upper Permit Limit: 2.0 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: 40 CFR Part 75
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-HOUR ROLLING AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 69: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P03

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil at or above 75% but less than 90% load without the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10
 Upper Permit Limit: 0.061 pounds per million Btus
 Reference Test Method: Method 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: 2-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 70.1:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide. This condition applies when the combustion turbine is firing oil at loads at or above 90%; without the duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 0.0050 pounds per million Btus
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide. This condition applies when the combustion turbine is firing oil at loads at or above 75% but less than 90% - without the duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 4.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: 40 CFR Part 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 72: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P03

Regulated Contaminant(s):
 CAS No: 000630-08-0 CARBON MONOXIDE

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing oil at or greater than 90% load with no duct burner firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Manufacturer Name/Model Number: CO Analyzer
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 2.0 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: 40 CFR Part 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P03

Regulated Contaminant(s):
 CAS No: 000630-08-0 CARBON MONOXIDE

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing oil at or above 75% but less than 90% load with no duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 0.010 pounds per million Btus
 Reference Test Method: 40 CFR Part 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil at or greater than 90% load without the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Upper Permit Limit: 0.051 pounds per million Btus

Reference Test Method: Method 201A and 202

Monitoring Frequency: Once every five years

Averaging Method: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 75: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P03

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 75.2:

Compliance Certification shall include the following monitoring:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil without the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Upper Permit Limit: 98.3 pounds per hour

Reference Test Method: Method 201A and 202

Monitoring Frequency: Once every five years

Averaging Method: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 76: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P03

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing distillate oil without duct firing. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 11.9 pounds per hour

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Condition 77: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P03

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil without duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 6.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 78: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P03

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil without duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.025 pounds per million Btus

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 79: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil with the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Upper Permit Limit: 0.041 pounds per million Btus
 Reference Test Method: Method 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: 2-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P04

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil with the duct burner firing. The data collected shall be maintained on-site for five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10
 Upper Permit Limit: 100.3 pounds per hour
 Reference Test Method: Method 201A and 202
 Monitoring Frequency: Once every five years
 Averaging Method: 2-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 81: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 81.1:

The Compliance Certification activity will be performed for:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Emission Unit: U-00001
Process: P04

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide. This condition applies when the combustion turbine is firing oil at any loads at or between 75% and 100%; with the duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 4.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 82: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P04

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing oil at any load at or between 75% and 100% when the duct burner is firing. The data collected shall be maintained on-site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Manufacturer Name/Model Number: CO Analyzer
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 0.010 pounds per million Btus
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 83: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P04

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing distillate oil with duct firing. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: VOC
Upper Permit Limit: 23.9 pounds per hour
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P04

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil with duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 6.8 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 85: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P04

Regulated Contaminant(s):

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil with duct firing. This condition does not apply during startup or shutdown of the combustion turbine. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.027 pounds per million Btus

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 86: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Startup for the combustion turbine is defined as the period beginning with the initial firing of the fuel in the combustion turbine combustor and ending at the time when the load has increased to 75% of base load.

Warm startups are defined as those starts in which the HP drum pressure is greater than or equal to 75 pounds per square inch (psig) and less than 400 pounds per square inch (psig).

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

The duration of any warm startup shall not exceed 115 minutes.

Parameter Monitored: DURATION OF START UP
Upper Permit Limit: 115 minutes
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

**Condition 87: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Startup for the combustion turbine is defined as the period beginning with the initial firing of the fuel in the combustion turbine combustor and ending at the time when the load has increased to 75% of base load.

Hot startups are defined as those starts in which the HP drum pressure is greater than or equal to 400 pounds per square inch (psig).

The duration of any hot startup shall not exceed 102 minutes.

Parameter Monitored: DURATION OF START UP
Upper Permit Limit: 102 minutes
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

**Condition 88: Compliance Certification
Effective for entire length of Permit**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Startup for the combustion turbine is defined as the period beginning with the initial firing of the fuel in the combustion turbine combustor and ending at the time when the load has increased to 75% of base load.

Cold startups are defined as those starts in which the HP drum pressure is less than 75 pounds per square inch (psig).

The duration of any cold startup shall not exceed 199 minutes.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 199 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 89: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Monitoring Description:

Shutdown for the combustion turbine is defined as the period of time beginning with the load decreasing from 75% of peak rated load and ending with the cessation of operation of fuel flow to the combustion turbine. The duration of any shutdown shall not exceed 90 minutes.

Parameter Monitored: DURATION OF SHUTDOWN

Upper Permit Limit: 90 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 90: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

With respect to emission limits of CO and NO_x, fuel switching of the combustion turbine is considered to be oil firing and any hour in which fuel switching of the combustion turbine occurs is considered an hour of oil firing.

Records of all fuel switches shall be maintained on site for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Condition 91: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold startups on natural gas, NOx total emissions shall be limited to 488 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 488 pounds
Reference Test Method: 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 92.2:

Compliance Certification shall include the following monitoring:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold startups on natural gas, CO total emissions shall be limited to 2813 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2813 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 93: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For warm startups on natural gas, NOx total emissions shall be limited to 191 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 191 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For warm startups on natural gas, CO total emissions shall be limited to 1083 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 1083 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For hot startups on natural gas, NOx total emissions shall be limited to 127 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 127 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 96: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For hot startups on natural gas, CO total emissions shall be limited to 891 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 891 pounds

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Reference Test Method: 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold startups on fuel oil, NOx total emissions shall be limited to 1136 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1136 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 98.1:

The Compliance Certification activity will be performed for:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold startups on fuel oil, CO total emissions shall be limited to 3757 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 3757 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For warm startups on fuel oil, NOx, total emissions shall be limited to 413 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 413 pounds
 Reference Test Method: 40 CFR 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: P09

Regulated Contaminant(s):
 CAS No: 000630-08-0 CARBON MONOXIDE

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 Monitoring Description:

For warm startups on fuel oil, CO total emissions shall be limited to 1781 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer
 Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 1781 pounds
 Reference Test Method: 40 CFR 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 101: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 101.1:

The Compliance Certification activity will be performed for:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For hot startups on fuel oil, NO_x total emissions shall be limited to 277 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NO_x Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 277 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 102: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For hot startups on fuel oil, CO total emissions shall be limited to 1520 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Manufacturer Name/Model Number: CO Analyzer
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 1520 pounds
Reference Test Method: 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each shutdown while the combustion turbine is firing natural gas, NOx total emissions shall not exceed 77 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 77 pounds
Reference Test Method: 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 104: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each shutdown while the combustion turbine is firing natural gas, CO total emissions shall not exceed 511 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 511 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 105: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each shutdown while the combustion turbine is firing

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Facility DEC ID: 1472204426

fuel oil, NOx total emissions shall not exceed 156 lbs.
Compliance shall be determined by taking the total pounds
per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 156 pounds
Reference Test Method: 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 106: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P09

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

For each shutdown while the combustion turbine is firing
fuel oil, CO emissions shall not exceed 850 lbs.
Compliance shall be determined by taking the total pounds
per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 850 pounds
Reference Test Method: 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Condition 107: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The total number of startup-shutdown cycles for the combustion turbine shall be limited to 260 during any consecutive 12 month period.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 108: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The number of startup-shutdown cycles for the combustion turbine operating on oil shall be limited to 20 during any consecutive 12 month period.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

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Facility DEC ID: 1472204426

Condition 109: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR Part 64

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: EP001

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC
 CAS No: 000630-08-0 CARBON MONOXIDE

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
 DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

As part of the facility's Compliance Assurance Monitoring (CAM) Plan for the catalytic oxidizer, the facility will monitor the temperature, at a point between the catalyst bed and the exit stack, with a thermocouple. The indicator range is a minimum temperature of 400 degrees F, when the CT is firing at greater than 75% load. The temperature is monitored continuously with a "k" type thermocouple; with a minimum accuracy of +/- 1%. The owner or operator shall collect four or more data values equally spaced over each hour and average the values, as applicable, over the applicable averaging period as determined in accordance with paragraph (b)(4)(i) of this section. These values shall be recorded and maintained in a log for a period of at least five years.

Excursions will trigger an inspection, corrective action, and reporting.

No monitoring is required for times when the combustion turbine is not operating.

A written or electronic log of every inspection and corrective action will be maintained at the facility for at least five years.

Manufacturer Name/Model Number: Oxidation Catalyst
 Parameter Monitored: TEMPERATURE
 Lower Permit Limit: 400 degrees Fahrenheit
 Reference Test Method: 40 CFR 60
 Monitoring Frequency: CONTINUOUS
 Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
 VALUE - SEE MONITORING DESCRIPTION

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The auxiliary boiler shall fire for a maximum of 4800 hours during any 12 month consecutive period.

The auxiliary boiler shall not operate when the combustion turbine operates except 1.) for periodic maintenance and testing operations; 2.) for operation of up to 2 hours prior to a shutdown of the combustion turbine in order to prepare for the shutdown and to maintain a steam blanket for the system; 3.) during shutdown of the combustion turbine; 4.) during a combustion turbine startup 5.) for operation of up to 2 hours after completion of a combustion turbine startup to ensure that normal operating conditions have been reached.

The owner or operator shall maintain auxiliary boiler hours of operation records on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 4800 hours

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Certification
Effective for entire length of Permit

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Applicable Federal Requirement: 6 NYCRR 227-2.5 (a)

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility will comply with the NO_x RACT control requirements for the auxiliary boiler by burning natural gas in the boiler between May 1st and September 30th of each year. Compliance with the presumptive NO_x RACT emission limit of 0.08 pounds per million btu for the boiler will be demonstrated on an annual average basis.

The NO_x annual average emission rate for the auxiliary boiler in pounds per million btu will be calculated using the following equation:

$$\text{NO}_x \text{ annual average emission rate} = \frac{[\text{HI-NG} \times \text{E-NG} + \text{HI-FO} \times \text{E-FO}]}{[\text{HI-NG} + \text{HI-FO}]}$$

where :

E-NG = NO_x emission rate for the boiler firing natural gas, based on the most recent stack test - lbs/MMBTU

E-FO = NO_x emission rate for the boiler firing fuel oil, based on the most recent stack test - lbs/MMBTU

HI-NG = annual natural gas heat input to the boiler for the calendar year - MMBTU HHV

HI-FO = annual fuel oil heat input to the boiler for the calendar year- MMBTU HHV

The owner or operator of the facility will monitor the heat input daily and calculate the NO_x annual average emission rate annually.

The data and calculations used to determine compliance with the emission limit shall be maintained on site for a period of at least five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.08 pounds per million Btus

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 112: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.11195, NESHAP Subpart JJJJJ

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator is permitted to operate an existing boiler identified in the permit as the auxiliary boiler (EU: U-00002) on natural gas / No. 2 liquid fuel oil. Per 40 CFR 63.11195(e), boilers that meet the gas-fired boiler(s) definition in 40 CFR 63.11237 are exempt from 40 CFR 63 Subpart JJJJJ. In order to maintain this exemption, the owner or operator is allowed to fire liquid fuel only during periods of gas curtailment, gas supply interruptions, startups, or for periodic testing on liquid fuel (periodic testing not to exceed a combined total of 48 hours during any calendar year).

The owner or operator shall maintain records that document the time periods when liquid fuel is fired and the reasons the liquid fuel is fired.

If the owner or operator fires liquid fuel for reasons other than gas curtailment, gas supply interruptions, startups, or for periodic testing on liquid fuel, the owner or operator is no longer exempt from Subpart JJJJJ.

As required by 40 CFR 62.11225(g), the owner or operator must provide notice within 30 days of the fuel switch.

The notification must identify:

- 1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, and the date of the notice.
- 2) The date upon which the fuel switch occurred.

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Facility DEC ID: 1472204426

As required by 40 CFR 63.11210(h), the owner or operator must demonstrate compliance with the Subpart JJJJJ requirements within 180 days of the effective date of the fuel switch.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 113: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: P05

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to oxides of nitrogen emissions when the auxiliary boiler is firing natural gas. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.011 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 114: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: P06

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The boiler may fire up to 400 hours per year (out of the 4800 hours per year limitation) on distillate oil during any 12 month consecutive period. The owner or operator shall maintain auxiliary boiler hours of operation records on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 400 hours

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 115: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P06

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The auxiliary boiler shall fire a maximum of 95,714 gallons of distillate oil during any 12 month consecutive period. The owner or operator shall maintain auxiliary boiler fuel oil use records on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Upper Permit Limit: 95,714 gallons per year
 Monitoring Frequency: DAILY
 Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 116: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
 Process: P06

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to oxides of nitrogen emissions when the auxiliary boiler is firing distillate oil. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 117: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
 Process: P05

Regulated Contaminant(s):

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

CAS No: 0NY075-00-5 PM-10

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions when the auxiliary boiler is firing natural gas. The data collected shall be maintained on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Upper Permit Limit: 0.0033 pounds per million Btus

Reference Test Method: Method 201A & 202

Monitoring Frequency: Once every five years

Averaging Method: 3-hour average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 118: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: EP002

Process: P05

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to carbon monoxide emissions when the auxiliary boiler is firing natural gas. The data collected shall be maintained on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: CARBON MONOXIDE

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Upper Permit Limit: 0.036 pounds per million Btus
 Reference Test Method: 40 CFR Part 60
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 119: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002
 Process: P06

Regulated Contaminant(s):
 CAS No: 0NY075-00-5 PM-10

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

This condition applies to PM-10 emissions when the auxiliary boiler is firing distillate oil. The data collected shall be maintained on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10
 Upper Permit Limit: 0.015 pounds per million Btus
 Reference Test Method: Method 201A & 202
 Monitoring Frequency: Once every five years
 Averaging Method: 2-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 120: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 120.1:

The Compliance Certification activity will be performed for:

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Emission Unit: U-00002
Process: P06

Emission Point: EP002

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to carbon monoxide emissions when the auxiliary boiler is firing distillate oil. The data collected shall be maintained on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 0.039 pounds per million Btus
Reference Test Method: 40 CFR Part 60
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

**Condition 121: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4205(c), NSPS Subpart III

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

Compliance must be demonstrated in accordance with § 60.4211(b). The owner or operator of the facility must maintain compliance records on-site and make them available upon request of the regulatory agency.

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 122: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4211(b), NSPS Subpart III

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a pre-2007 model year stationary CI internal combustion engine that must comply with the emission standards specified in 40 CFR 60.4204(a) or 60.4205(a), or the owner or operator of a CI fire pump engine that is manufactured prior to the model years in table 3 to Subpart III and must comply with the emission standards specified in §60.4205(c), the owner or operator must demonstrate compliance according to one of the methods specified in paragraphs (1) through (5) below.

(1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the

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requirements specified in §60.4212, as applicable.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 123: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The diesel fire pump shall fire a maximum of 6,000 gallons of distillate oil during any 12 month consecutive period. The owner or operator shall maintain diesel fire pump fuel oil use records on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 6,000 gallons per year

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

Condition 124: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

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OPERATIONS

Monitoring Description:

The diesel fire pump shall be restricted to operating four hours per day maximum (not to exceed 375 hours per year). The owner or operator shall maintain diesel fire pump hours of operation records on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: HOURS PER DAY OPERATION

Upper Permit Limit: 4 hours

Monitoring Frequency: DAILY

Averaging Method: 24 HOUR MAXIMUM

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 125: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The diesel fire pump shall be limited to 375 hours per year of operation on a 12 month rolling basis. The owner or operator shall maintain diesel fire pump hours of operation records on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 375 hours

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

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**Condition 126: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: EP004

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions from the diesel fire pump. Compliance is determined based on the initial stack test. No further emission testing is required unless requested by the Department. The data collected shall be maintained on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: PM-10

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: Method 201A & 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 127: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: EP004

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 127.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to carbon monoxide emissions from the diesel fire pump. Compliance is determined based on initial stack test. No further emission testing is required unless requested by the Department. The data collected shall be maintained on site for a minimum of five years.

(The limit in this condition originated in the USEPA PSD Permit issued in 2006 and is a PSD limit.)

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.09 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 128: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to oxides of nitrogen emissions from the diesel fire pump. Compliance is determined based on initial stack test. No further emission testing is required unless requested by the Department. The data collected shall be maintained on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.97 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

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STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) an emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) the equipment at the facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) the facility owner or operator notified the department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or malfunction provision contained in any applicable requirement.

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all

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criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

**Condition 129: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement: ECL 19-0301

Item 129.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit (emission limits, control requirements or compliance monitoring conditions).

CAS No: 000124-38-9
Name: CARBON DIOXIDE

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

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Name: VOC

**Condition 130: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 201-1.4****Item 130.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 131: CLCPA Applicability
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 201-6.5 (a)**

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Item 131.1:

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

**Condition 132: Air pollution prohibited
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 211.1****Item 132.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 133: CO2 Budget Trading Program - Excess emission requirements
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 242-1.5****Item 133.1:**

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

**Condition 134: Compliance Demonstration
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 242-1.5****Item 134.1:**

The Compliance Demonstration activity will be performed for the Facility.

Item 134.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators and, to the extent applicable, the CO2 authorized account representative of each CO2 budget source and each CO2 budget unit at the source shall

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comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO₂ requirements:

- (1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.
- (2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.
- (3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.
- (4) CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts in accordance with Subparts 242-5, 242-6, and 242-7, and Section 242-10.7.
- (5) A CO₂ allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO₂ allowance was allocated. A CO₂ offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).
- (6) A CO₂ allowance under the CO₂ Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO₂ in accordance with the CO₂ Budget Trading Program. No provision of the CO₂ Budget Trading Program, the CO₂ budget permit application, or the CO₂ budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.
- (7) A CO₂ allowance under the CO₂ Budget Trading Program does not constitute a property right.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 135: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-1.5

Item 135.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 135.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO2 authorized account representative for the source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under

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the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 136: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 251.6 (f)

Item 136.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 136.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators that choose not to demonstrate compliance with the provisions in subdivision 251.3(b) of this Part through the use of a CEM may utilize an alternative monitoring plan as approved by the Department.

The owners or operators may submit their annual reports under one of the following provisions:

(1) Sources subject to the reporting requirements of 6 NYCRR Subpart 202-2 of this Title may use their annual emission statement to satisfy the requirements of this subdivision, or

(2) Sources subject to the reporting requirements of 40 CFR Part 98 (see Table 1, section 200.9 of this Title) may use their annual submission to EPA to satisfy the requirements of this subdivision, or

(3) Sources that are not subject to the reporting requirements of 6 NYCRR Subpart 202-2 of this Title or 40 CFR Part 98 (see Table 1, section 200.9 of this Title) must submit an annual report, in a format prescribed by the Department, by the April 15th immediately following the end of the calendar year for which the annual report is required. At a minimum, the annual report should include:

(i) Fuel type combusted in each unit subject to this

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- Part;
- (ii) Quantity of fuel combusted in each unit subject to this Part; and
- (iii) Heat content of each fuel combusted.

The approved alternative monitoring shall be cited in a facility specific condition under subdivision 251.3(b) of this Part. and shall at a minimum include the prescribed CO2 emission limit and type of monitoring used to show compliance with said emission limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

****** Emission Unit Level ******

**Condition 137: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR Subpart 242-4

Item 137.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 137.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

(a) For each control period in which a CO2 budget source is subject to the CO2 requirements of subdivision 242-1.5(c) of this Part, CO2 authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.

(b) The compliance certification report shall include the following elements:

(1) identification of the source and each CO2 budget unit at the source;

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(2) as an option, the serial numbers of the CO₂ allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO₂ offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part; and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO₂ authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO₂ budget units at the source in compliance with the CO₂ Budget Trading Program, whether the source and each CO₂ budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO₂ Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO₂ requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO₂ emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed; and

(5) if a change is required to be reported under paragraph

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(c)(4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 138: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-8.5

Item 138.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 138.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting

(a) General provisions. The CO2 authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO2 budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO2 authorized account representative shall submit an application to the department within 45 days after completing all CO2 monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO2 authorized account representative shall submit quarterly reports, as follows:

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(1) The CO₂ authorized account representative shall report the CO₂ mass emissions data and heat input data for the CO₂ budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO₂ authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NO_x, and SO₂ provisions.

(3) The CO₂ authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO₂ emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO₂ emissions; and

(iii) the CO₂ concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO₂ emissions

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 139: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 139.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 139.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

On or after December 31, 2020, owners or operators of non-modified existing sources shall not fire any single fossil fuel, alone or in combination with any other fuel, where each fossil fuel is required to meet an emission rate of 180 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on an annual basis, calculated by dividing the annual total of CO₂ emissions for the calendar year by the annual total Btus (input-based limit) fired for each separate fossil fuel fired. For each fossil fuel fired, CO₂ emissions will be calculated stoichiometrically, using the heat input from the fuel based on the higher heating value (HHV), the fuel-specific carbon-based F-factor, the molecular weight of CO₂ and a conversion factor. This calculation is based on equation G-4 in Appendix G of 40 CFR Part 75. CO₂ emissions must be calculated quarterly or more frequently. The heat input from each fossil fuel will be measured with fuel flow meters. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 180 pounds per million Btus

Reference Test Method: 40 CFR 75

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426